

# **Sustainable Development**

A Mining Perspective

18 July 2006

#### **Dorian Emmett**

Head of Sustainable Development Anglo American plc

The Foundation for Science & Technology



## MANGLO AMERICAN PIC

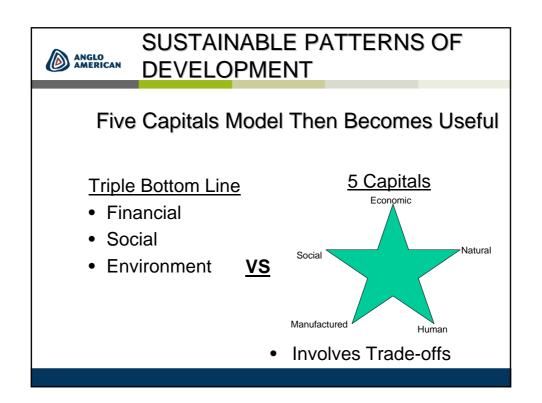
- FTSE Top 20
- Mining Focus
- Approx \$60bn Market Capitalisation
- 128000 Permanent Employees
- Over 50 Countries



### **ENVIRONMENTAL RESOURCES**

#### FINITE OR RENEWABLE

- Mining operates predominantly around FINITE resources
- Dictates an approach to
  - promote transition to more sustainable patterns of development
  - focus on post-closure issues

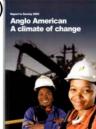


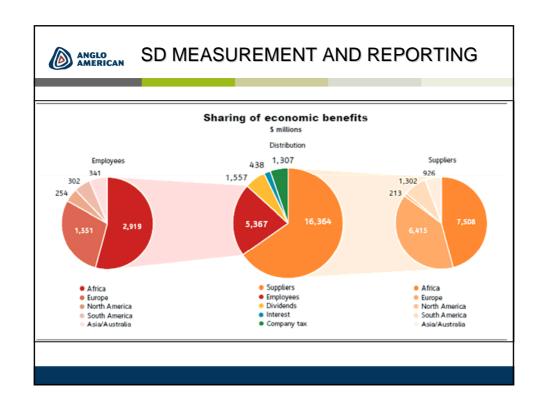


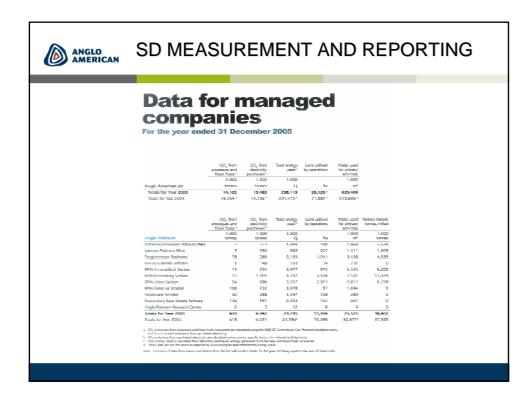
## **QUANTIFY TRADE-OFFS**

# Five Capitals links to measurement and reporting of SD performance

- Global Reporting Initiative (GRI)
- IFC Investment Guidelines (Equator Principles Financial Institutions links)
- Our Report to Society
- Both Quantitative and Qualitative











# TRADE OFFS & ENVIRONMENTAL PROTECTION

- Multinationals in developed and developing countries
- Priorities in respect of MDG, MEA vary
- Non-Financial Costs often discernable
- Non-Financial Benefits fraught with valuation challenges
- Competitiveness always an issue
- Good Governance frameworks help set a level playing field



#### MINING INDUSTRY RESPONSE

### **Purpose**

Define ground rules for sustainable patterns of development

- Global Mining Initiative 1998
- Mining, Minerals and SD (MMSD) Project Multistakeholder
- Results Core to Johannesburg World Summit on SD (2002)
- International Council on Mining and Metals (ICMM) formed



#### ICMM - CEO LED

## The ICMM Principles



#### **ICMM** Principles

- Maintain ethical business practices and sound corporate governance.
- Recognise SD considerations in our corporate decisions
- Uphold fundamental human rights and respect cultures, customs and values
- Implement risk management strategies based on valid data and sound science
- Seek continual improvement of our health and safety performance.
- Seek continual improvement of our environmental performance.
- Help conserve biodiversity and use land sensitively
- Encourage responsible product design, use, recycling and disposal.
- Contribute to the development of communities in which we operate.
- Engage in open and honest dialogue with our stakeholders.



#### MINING INDUSTRY RESPONSE

## **UN Global Compact**



COMPACT

Anglo American became a signatory to the UN Secretary-General's Global Compact in 2004.

The Global Compact asks companies to embrace, support and enact, within their sphere of influence, a set of core values in the areas of:

- · Human rights
- · Labour standards
- · The Environment
- Anti-corruption





#### MINING INDUSTRY RESPONSE

### Resource Endowment Project

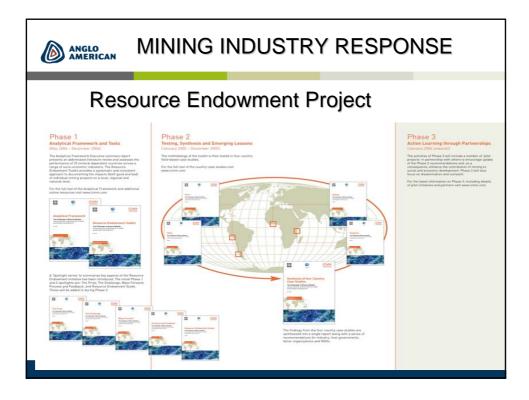
- Three questions:
  - How does the mining sector contribute to national development and poverty reduction?
  - What strategies have been effective in managing revenues for sustainable development and poverty reduction?
  - How do mining projects contribute to development at national, regional and local levels?
- Recommendations for companies, governments and other key organisations, aimed at enhancing the socio-economic contribution of the mining and metals sector
- Partners: WBG/UNCTAD



#### MINING INDUSTRY RESPONSE

#### Resource Endowment Project

- A distinctive approach...whereas the 'resource curse' focuses on:
  - economic growth --- our study gives equal importance to poverty reduction
  - Failed countries --- our study looks at "successful" countries and "success factors"
  - Pinpointing problems our study seeks practical solutions
  - Macroeconomic factors our study gives priority to governance at national, regional, and local level
- Participation: all study partners, particularly governments, were fully engaged
- · Independence and integrity: senior advisory group oversight
- Ghana, Chile, Peru, Tanzania

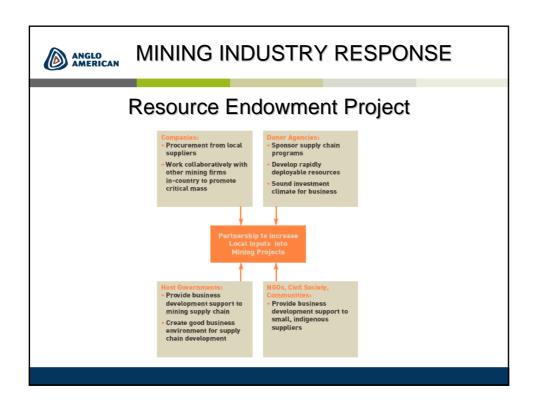




#### MINING INDUSTRY RESPONSE

## Resource Endowment Project

- The substantial recovery in mining investment has been part of improved growth performance in all four countries
- IF the counterfactual is the perpetuation of the pre-reform economic performance, then the post-mining period demonstrates an improved record
- This most evident in Ghana (since 1987) and Tanzania (since 1997) - mining has added statistically 0.3% to 0.4% extra growth each year
- · A similar connection is found in Peru and Chile
- Non-mineral GDP growth has also been positive in all four cases and higher than that of regional comparators except in Peru





#### **COMPANY RESPONSE**

#### Tools

- · Policies and guidelines
  - SHEC (Exploration)
  - SEAT
  - Community Engagement Plans
  - Biodiversity
  - Climate Change
  - Procurement
  - Product Stewardship
  - Closure
  - Resettlement
- Peer Reviews Safety, Biodiversity Assurance Reporting
- Projects: Safety, health, environment, social, materials stewardship risk assessment (incl Cost of Carbon)
- · Integrated Risk Management
- Common database, SMART/qualitative targets

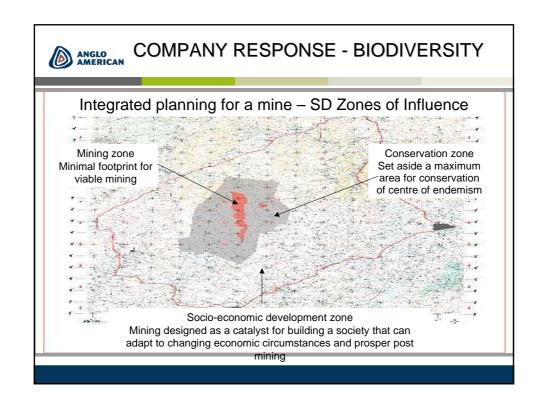


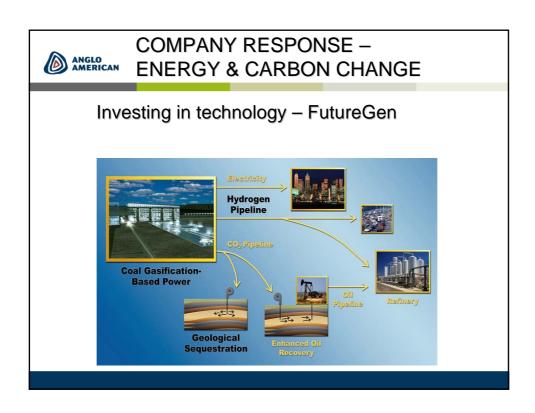
#### **COMPANY RESPONSE**

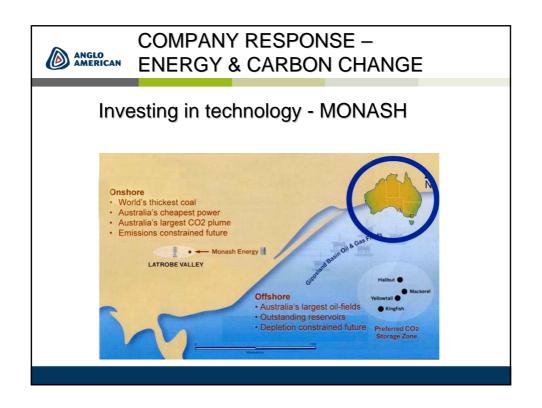
#### Socio Economic Assessment Toolbox

- 33 assessments completed;
  19 in the field
- Implemented in 15 countries
- Aimed at raising social performand and capacity building at mature operations
- Seeking to track implementation of management commitments
- Quality of stakeholder engagemen improved in most cases











# FINALLY, ACTION SOMETIMES NEEDED WITH IMPERFECT INFORMATION

## In Early 2000's in Sub-Saharan Africa

- Provision of Anti Retroviral Therapy to Employees
- Cost / Benefits to Business Uncertain
- Politically Sensitive



#### **ART - ECONOMIC IMPACT**

- Cost of providing ART in the first year is \$194 per patient per month
  - Costs reducing over time due to economies of scale and declining drug prices
- Cost of ART is more than covered by reduction in absenteeism and reduced health care costs
  - Savings from reduction in absenteeism cover 20 60% of ART costs
  - Savings from reduced hospitalisation cover 45 70% of ART costs

